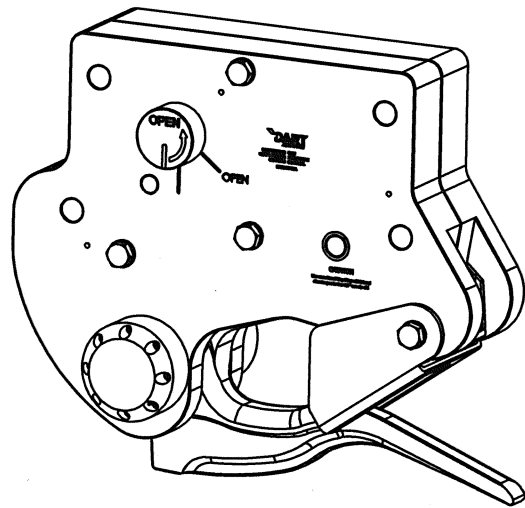
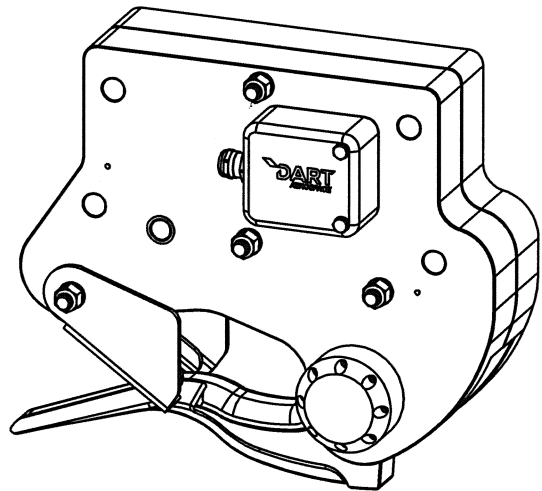


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SEE ATTACHED DEVIATION

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
		B/O	C10-9-2	1	LATCH BEARING		(TORRINGTON #6NBC914YZP)	3
			C10-11	1	MANUAL RELEASE KNOB	6061		2
		B/O	C10-21-4	16	LOCK WASHER	STEEL	# 10 LOCK WASHER (MCMaster-CARR #91102A740)	2
		B/O	C10-23-2	2	KEEPER SPRING	SS 303		2
		B/O	C10-41	1	STRAIN RELIEF CONNECTOR	BRASS	(MCMaster-CARR #6907K14)	2
		B/O	C20-570	1	LOCK RETURN SPRING	302		3
		B/O	C20-720	1	LEVER ARM BEARING		(KAMAN 6NBF817YJ)	3
		B/O	C20-735	1	LEVER ARM RETURN SPRING	303		3
		B/O	C20-740	1	LINK SPRING	303		3
		B/O	C45-3-2-1	2	SNAP RING	STEEL	Ø3/8 (KAMAN 1400-0037)	3
		B/O	C45-3-4-1	6	RETAINING RING	BERYLLIUM COPPER	3/16 SHAFT (MCMaster-CARR #98410A110)	3
			C45-8-4	1	SOLENOID COVER GASKET	BLENDED RUBBER		2
			C45-8-5	1	SOLENOID COVER	6061		2
			C250-100	1	SIDE PLATE COVER	6061		2
			C250-200	1	SIDE PLATE HOUSING	6061		2
		B/O	PC250-120	3	LOCATION PIN	S.S.	5/16 X 2 (MCMaster-CARR #90145A591)	2
		B/O	PC250-130	3	BOLT	STEEL	1/2-20 X 5 (MCMaster-CARR #91257A755)	2
			PC250-220	1	LOWER LOCK BUMPER	POLYURETHANE		2
			PC250-230	2	UPPER LOCK BUMPER	POLYURETHANE		2
			PC250-330	2	BUMPER LOAD BEAM	URETHANE, DUROMETER 80A		2
			PC250-300A	1	LOAD BEAM ASSEMBLY			2
		B/O	PC250-320	2	BUSHING		(KAMAN #SF-4048-16)	2
			PC250-400	1	KEEPER ASSEMBLY			2
		B/O	PC250-410	4	BUSHING		(KAMAN #SF-1622-8)	2
		B/O	PC250-450	1	BOLT	STEEL	1/2-20 X 5-1/2 (MCMaster-CARR #91257A758)	2
			PC250-480	1	KEEPER SPRING SPACER	DELFIN, BLACK		2
			PC250-500A	1	LOCK ASSEMBLY			3
			PC250-510	1	ROLLER PIN	4140/4142		3
			PC250-520	1	ROLLER	4140/4142		3
		B/O	PC250-540	2	BUSHING		(KAMAN #SF-2430-16)	3
		B/O	PC250-550	2	RETAINING RING	STEEL	Ø5/8 (KAMAN 5100-0062SPP)	3
		B/O	PC250-560	2	ANCHOR PIN	S.S.	Ø3/16 X 3 (MCMaster-CARR #92373A271)	2
			PC250-600A	1	BELL CRANK ASSEMBLY			3
			PC250-610	1	PIN	4140/4142		3
		B/O	PC250-650	2	BELL CRANK BUSHING		(KAMAN #SF-2432-12)	3
			PC250-700	1	LEVER ARM	4140/4142		3
			PC250-710	1	LEVER BEARING PIN	4140/4142		3
			PC250-715	1	LEVER BEARING SHAFT	4140/4142		3
			PC250-750	1	LINK	O-1		3
			PC250-760	2	LINK PIN	4140/4142		3
			PC250-775	2	LEVER ARM BUSHING	4140/4142		3
		B/O	PC250-800	2	CLOCK SPRING	301 S.S.		2
			PC250-810	2	SPRING COVER	6061-T6		2
			PC250-900A	1	SOLENOID ASSEMBLY			2
		B/O	188-FPSS-1032-1/4	2	SET SCREW	S.S.	10-32 X 1/4 (MCMaster-CARR #94355A330)	3
		B/O	188-FPSS-1/4 20-3/8	2	SET SCREW	S.S.	1/4-20 (MCMaster-CARR #92313A535)	2
		B/O	188-FSCS-1032-1 1/4	16	SCREW	S.S.	SHCS 10-32 X 1-1/4 (MCMaster-CARR #92196A276)	2
		B/O	AN4-24A	2	BOLT	STEEL	1/4-28 X 2.53	2
		B/O	AN960-416	3	WASHER	STEEL	Ø1/4	2
		B/O	AN960-416L	2	WASHER	STEEL	Ø1/4	2
		B/O	AN960-816	8	WASHER	STEEL	Ø1/2	2
		B/O	MS21083N4	2	NYLOCK NUT	STEEL	1/4-28	2
		B/O	MS21044N8	4	LOCK NUT	STEEL	1/2-20	2
		B/O	MS27039-4-08	1	SCREW	STEEL	1/4-28 X 17/32	2
		B/O	32448	2	16-14 AWG KNIFE CONNECTOR		(ALLIED ELECTRONICS 32448)	2
		B/O	EL-PLUG-M	1	MALE PLUG	PE High Density	(MCMaster-CARR #7216K5)	2
			EL314-SJTOW	1	ELECTRICAL WIRE 3/14 SJTOW			2
		B/O		1	HEAT SHRINK TUBE	RUBBER	(MCMaster-CARR #2595K22)	N/S

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1	14-0222	CH'D TITLEBLOCK WAS RED BARN IS DART. PC250-470 DELETED. CH'D P/N'S WAS PC250-140 IS AN960-816L, WAS PC250-150 IS MS21044N8, WAS PC250-440 IS C10-23-2, WAS PC250-460 IS AN960-816, WAS PC250-570 IS C20-570, WAS PC250-630 IS C10-11, WAS PC20-720 IS C20-720, WAS PC250-735 IS C20-735, WAS PC250-740 IS C20-740, WAS PC250-920 IS AN960-416L, PC250-930 IS MS21083N4, WAS PC250-940 IS C45-8-5, WAS PC250-950 IS C45-8-4, WAS PC250-960 IS AN4-23A, WAS PC250-965 IS MS27039-4-10, WAS PC250-970 IS AN960-416. MS21044N8 CH'D QTY WAS 3 IS 4.	11/26/2014	DPD	JAG
2	15-0266	PC250-620 REPLACED W/ C45-3-4-1 . PC250-640 REPLACED W/ 188-FPSS-1/4 20-3/8 . PC250-705 REPLACED W/ 188-FPSS-1032-1/4 . PC250-725 REPLACED W/ C45-3-2-1 . PC250-730 REPLACED W/ C10-9-2 . PC250-820 REPLACED W/ 188-FSCS-1032-1 1/4 . PC250-830 REPLACED W/ C10-21-4 . AN960-816 CH'D QTY WAS 2 IS 8. AN960-816L DELETED. MS27039-4-10 REPLACED W/ MS27039-4-08 . 32446 DELETED. ADDED ENGRAVE NOTES & DETAILS.	9/18/2015	DPD	JAG
C		P/N WAS AN4-23A IS AN4-24A AND DESCRIPTION WAS 1/4-28 X 2.41 IS 1/4-28 X 2.43	5/07/2019	MBB	WFP

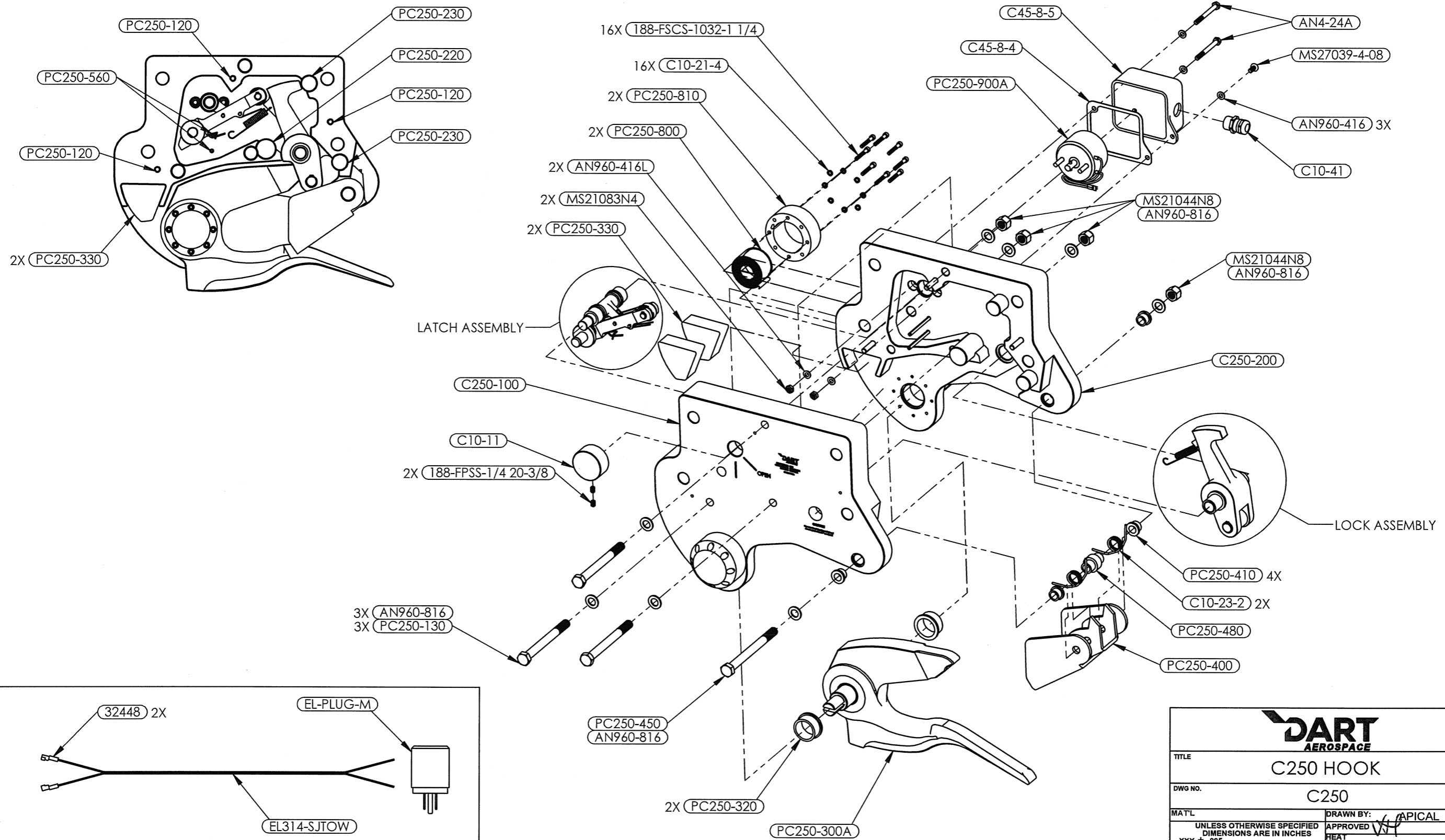


DART AEROSPACE		TITLE	
		C250 HOOK	
DWG NO.		C250	REV C
MAT'L		DRAWN BY: APICAL	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		APPROVED	
.XXX ± .005		HEAT TREAT	
.XX ± .01		FINISH	
.X ± .1		SPEC	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R		USED ON MODEL	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING			
SCALE	1:6	DATE	6/4/2004
		SHEET 1 OF 3	

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REVISIONS							
REV	ECR	DESCRIPTION			DATE	INITIAL	APPROVED



WIRE ASSEMBLY - 1 PER ASSEMBLY
WHEN INSTALLING TO SOLENOID USE 2 SECTIONS
OF HEAT SHRINK TO SEAL CONNECTIONS.
PLUG INCLUDED LOOSE IN KIT.

DART AEROSPACE	
TITLE C250 HOOK	
DWG NO. C250	REV C
MAT'L UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 .XX ± .01 .X ± .1	DRAWN BY: APICAL APPROVED: [Signature] HEAT TREAT FINISH SPEC USED ON MODEL
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:6	DATE 6/4/2004
SHEET 2 OF 3	

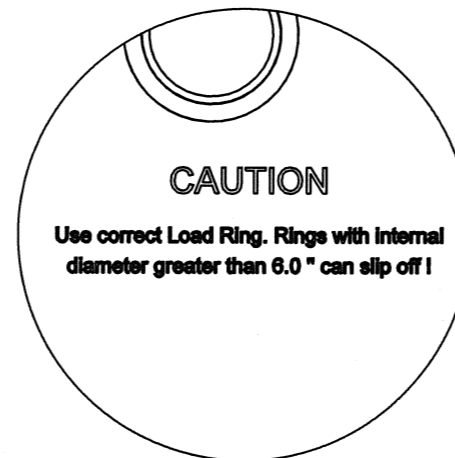
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SEE ATTACHED DEVIATION

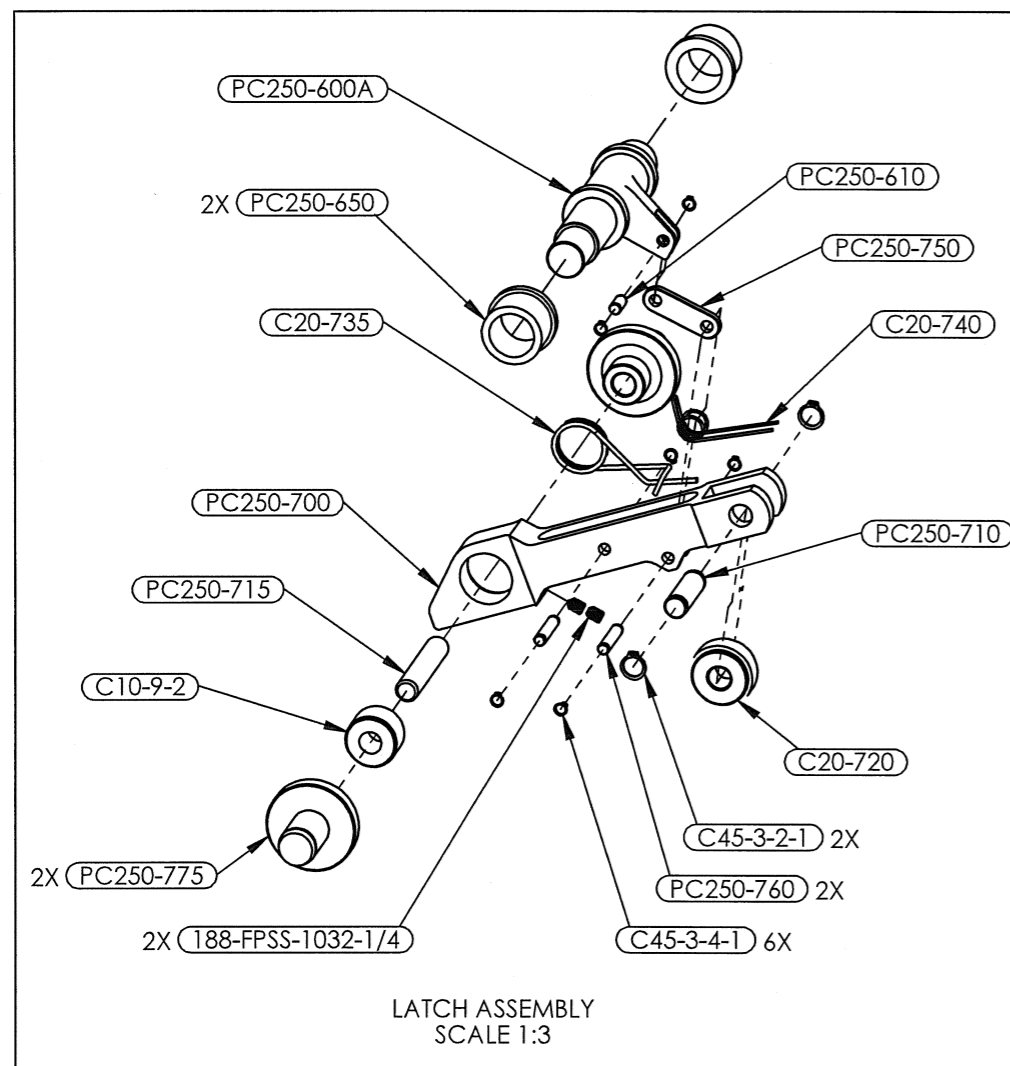
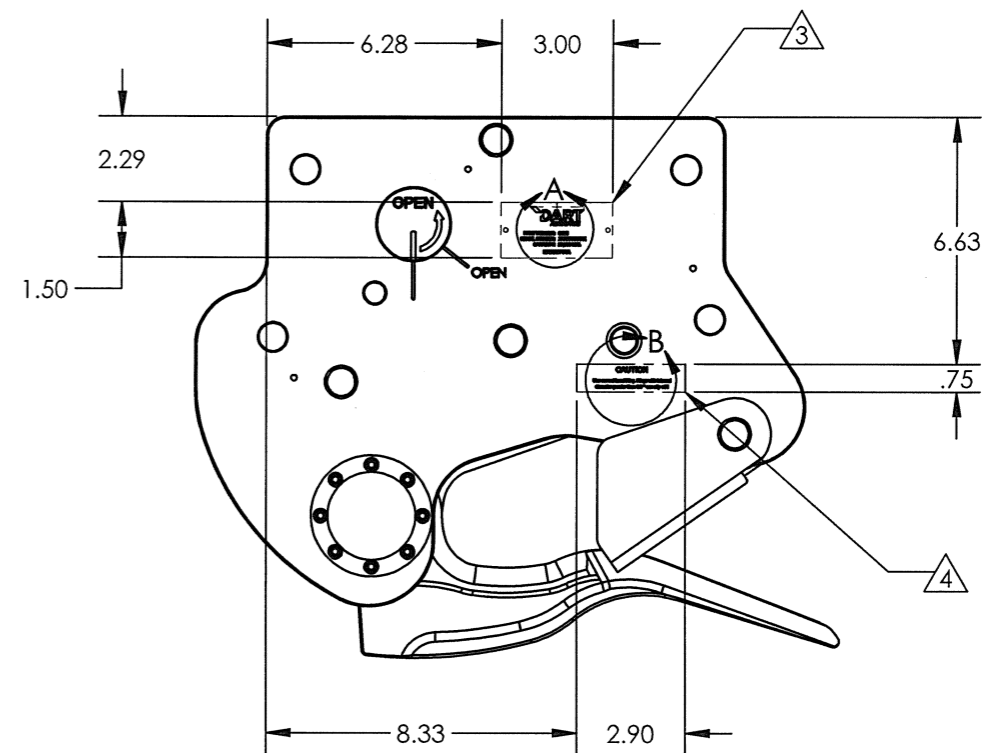
REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	15-0266	ADDED ENGRAVE NOTES & DETAILS.	9/18/2015	DPD	JAG



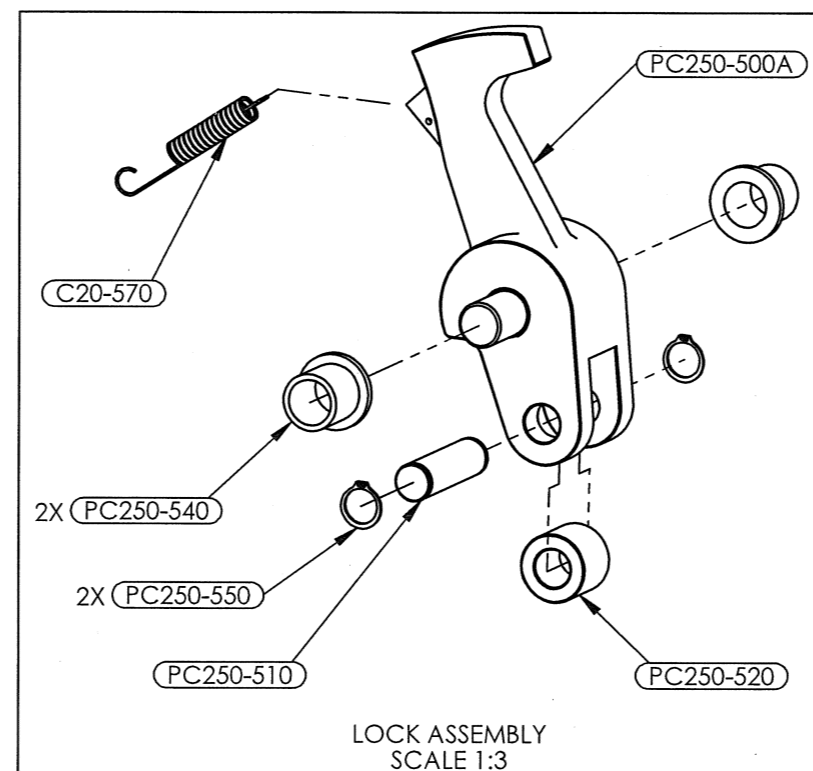
DETAIL A
SCALE 1:1



DETAIL B
SCALE 1:1



LATCH ASSEMBLY
SCALE 1:3



LOCK ASSEMBLY
SCALE 1:3

NOTES:

- 3 LASER ENGRAVE DART LOGO, P/N, S/N, "MADE IN USA," WITHIN BOUNDARY.
- 4 LASER ENGRAVE CAUTION NOTE, WITHIN BOUNDARY.

DART AEROSPACE	
TITLE C250 HOOK	
DWG NO. C250	REV C
MAT'L UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 .XX ± .01 .X ± .1	DRAWN BY: APICAL APPROVED: [Signature] HEAT TREAT FINISH SPEC 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING
SCALE 1:5	DATE 6/4/2004
SHEET 3 OF 3	

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. <u>C series hooks and SWA Swivels</u>	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/>	DEPARTMENT/PROCESS <div style="display: flex; justify-content: space-between;"> <div> Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Large Fab <input type="checkbox"/> </div> <div> Cross tube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> </div> <div> Eng. (Non-AW) <input checked="" type="checkbox"/> Prod. Eng. Coord. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> </div> <div> Engineering <input type="checkbox"/> Water Jet <input type="checkbox"/> Supplier <input type="checkbox"/> Quality <input type="checkbox"/> </div> </div>		
Date :	Sequence #:	QTY Affected :		MRB (QSI042) May, 9 2019 <i>M. Lee</i>
Description Work Order Deviation		Disposition		Completed By
The electrical wires listed under "Acceptable Alternate Wire" on the attached sheet are acceptable to use in place of the "Drawing Specified Wire"		This deviation is acceptable. No change to fit form or function. The job route must specify the wire that is called out on the drawing The inventory P/N must reflect the same P/N that was received from a vendor		Lead hand / Supervisor
				QC / QA Coordinator
Root Cause		FAULT CATEGORY		
<div style="display: flex; flex-direction: column;"> <div>Operator <input type="checkbox"/></div> <div>Manufacturing Process <input type="checkbox"/></div> <div>Equip/Tooling <input type="checkbox"/></div> <div>Handling/Presservation <input type="checkbox"/></div> <div>Material <input type="checkbox"/></div> <div>Product Improvement <input checked="" type="checkbox"/></div> <div>Process Improvement <input type="checkbox"/></div> <div>Human Factors <input type="checkbox"/></div> </div>		<div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Bending <input type="checkbox"/> Crushing <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave/Twist <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Mislabeled </div> <div style="width: 50%;"> <input type="checkbox"/> Contamination <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Incomplete/Unclear Instructions <input type="checkbox"/> Drill Holes <input type="checkbox"/> Fit/Function </div> <div style="width: 50%;"> <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain Direction <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Off-set/Set-up </div> <div style="width: 50%;"> <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Outside Tolerance <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Misread </div> </div>		
Other/Details:				

P/N	Revision	Drawing Specified Wire	Acceptable Alternate Wire
C2	2	MIL-C-27500 11-14416	N/A
C3	2	MIL-C-27500 11-14417	N/A
C10	3	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
C15	2	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
C20	C	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
C45	C	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
C60	C	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
C250	C	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
SWA3-2	3	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
SWA3-3	3	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
SWA3-4	3	EL 414-ARTIC 4/14	Texcan 01121-744A5
SWA6A-2	E	Texcan 01121-724AM	N/A
SWA6A-3	E	Texcan 01121-734A5 or 01004-08-047	N/A
SWA6A-4	E	Texcan 01121-744A5	N/A
SWA6A-6	E	Texcan 04121-764A5	N/A
SWA6A-8	E	Texcan 12701-08-014 or McMaster 7081K38	N/A
SWA10A-2	3	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
SWA10A-3	3	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
SWA10A-4	3	EL 414 ARTIC 4/14	Texcan 01121-744A5
SWA10A-6	3	EL 616 ARTIC	Texcan 04121-764A5
SWA10A-8	3	Polar Wire 30806	Texcan 12701-08-014 or McMaster 7081K38
SWA15A-2	1	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
SWA15A-3	1	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
SWA15A-4	1	EL 414 ARTIC 4/14	Texcan 01121-744A5
SWA15A-6	1	EL 616 ARTIC	Texcan 04121-764A5
SWA15A-8	1	EL 816 ARTIC	Texcan 12701-08-014 or McMaster 7081K38
SAW25A-2	1	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
SAW25A-3	1	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
SAW25A-4	1	EL 414 ARTIC 4/14	Texcan 01121-744A5
SAW25A-6	1	EL 616 ARTIC	Texcan 04121-764A5
SAW25A-8	1	EL 816 ARTIC	Texcan 12701-08-014 or McMaster 7081K38